

WHAT IS CLAIMED IS:

1. A control configured for changing a direction of air flow generated by a fan through a cooling core comprising:
 - a logic circuit configured for receiving a monitoring signal and generating a fan control signal based on said monitoring signal;
 - 5 at least one timer connected to said logic circuit and configured for generating a purge signal; and
 - a relay assembly connected to said logic circuit and configured for receiving said fan control signal and said purge signal to operate the fan in a plurality of operating modes.
2. The control of claim 1, wherein said logic circuit includes a plurality of timers configured to generate said purge signal.
3. The control of claim 2, further comprising a timing mechanism configured for controlling a period of said purge signal.
4. The control of claim 3, wherein said logic circuit further includes a second timing mechanism configured for controlling a frequency at which said timers generate said purge signal.

5. The control of claim 1, wherein said relay assembly comprises a pair of relays.

6. The control of claim 5, wherein said pair of relays comprise a first relay having a low pressure solenoid and a second relay having a high pressure solenoid.

7. The control of claim 1, wherein the fan is a variable pitch fan having fan blades and said relay assembly alters a pitch of the fan blades of the fan.

8. The control of claim 1, wherein said fan is a non-variable pitch fan having fan blades and the relay assembly causes a change in a direction of rotation of the fan blades.

9. The control of claim 1, wherein said control is a pneumatic control.

10. The control of claim 1, wherein said control is an electric control.

11. A method of selectively controlling a direction of an air flow to a cooling core, the air flow provided by a fan capable of operating in a neutral mode, a purge mode, and a cooling mode, comprising:

monitoring a predetermined parameter of the cooling core;

5 determining if said monitored predetermined parameter exceeds a threshold, and if not, operating the fan in the neutral mode, otherwise transmitting a fan on signal to a control to operate the fan in the cooling mode; and

 periodically transmitting a purge signal to said control to override said transmitted fan on signal and operate the fan in the purge mode.

12. The method of claim 10, further comprising the step of providing a time delay turning said fan off prior to periodically transmitting a purge signal to said control to operate the fan in the purge mode.

13. The method of claim 12, further comprising the step of providing a second time delay turning said fan off upon completion of the purge mode.

14. The method of claim 11, wherein said predetermined parameter is a temperature parameter.

15. The method of claim 14, wherein said threshold is 100°.

16. The method of claim 11, wherein said predetermined parameter is a signal generated by one of an electronic control module and a switch.

17. The method of claim 16, wherein the switch is a pressure switch and said threshold is 40 psi.

18. A control for a fan comprising:

means for receiving a monitoring signal and generating a fan signal based on said monitoring signal;

means for generating a purge signal configured for overriding said

5 fan signal;

means for controlling a direction of rotation of the fan in one of a clockwise direction and a counterclockwise direction based on said purge signal and said monitoring signal.

19. The control of claim 18, wherein said means for receiving a monitoring signal comprises a logic circuit having an input terminal configured for receiving said monitoring signal.

20. The control of claim 19, wherein said means for controlling a direction of rotation of the fan comprises a pair of relays connected to said logic circuit.